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Title: JP2099606A2: FIBER HAVING DEODORANT AND ANTIMICROBIAL PERFORMANCE AND PRODUCTION THEREOF

Derwent Title: Fibre with deodorant and antimicrobial properties - comprises thermoplastic polymer contg. dispersion of zinc silicate microparticles and polyester cpd. [Derwent Record]

Country: JP Japan
Kind: A

Inventor: KAWAMOTO MASAO;
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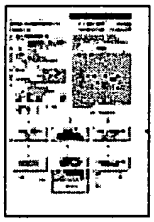

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Assignee: KURARAY CO LTD
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Published / Filed: 1990-04-11 / 1988-09-29

Application Number: JP1988000246066

IPC Code: D01F 1/10; A61L 2/16; A61L 9/01; C08K 3/20; C08K 3/34; C08L 67/02; C08L 67/02; D01F 1/02; D01F 6/90; D01F 6/92; D01F 6/92; D01F 8/14; D06M 23/00;

Priority Number: 1988-09-29 JP1988000246066

Abstract:

PURPOSE: To obtain the subject fiber useful as diapers, carpets, etc., without deteriorating deodorant and antimicrobial performances even in frequent washing by dispersing a mixture of zinc-based inorganic fine particles with a polyester- based compound in a thermoplastic polymer.

CONSTITUTION: The objective fiber obtained by dispersing (A) 0.1-10wt.% inorganic fine particles, consisting of zinc oxide and silicon dioxide at (1:5)-(5:1) weight ratio and mostly containing zinc silicate of an amorphous structure with ≤5μ average particle diameter and (B) 0.1-10wt.% liquid polyester-based compound having ≥10P viscosity at 10-25°C melting point in (C) a thermoplastic polymer having ≥150°C melting point.

Family: None

Forward References: Go to Result Set: Forward references (1)

PDF	Patent	Pub.Date	Inventor	Assignee	Title
	US6723428	2004-04-20	Foss; Stephen W.	Foss Manufacturing Co., Inc.	Anti-microbial fiber and fibrous products

Other Abstract Info: DERABS C90-159153 DERC90-159153